

**18. Politics.**

- There are 192 students taking Intro Stats. Of those, 115, or about 59.9%, are male.
- There are 192 students taking Intro Stats. Of those, 27, or about 14.1%, consider themselves to be "Conservative".
- There are 115 males taking Intro Stats. Of those, 21, or about 18.3%, consider themselves to be "Conservative".
- There are 192 students taking Intro Stats. Of those, 21, or about 10.9%, are males who consider themselves to be "Conservative".
- There are 77 females taking Intro Stats. Of those, 35, or about 45.5%, consider themselves to be "Liberal".
- There are 115 males taking Intro Stats. Of those, 50, or about 43.5%, consider themselves to be "Liberal".

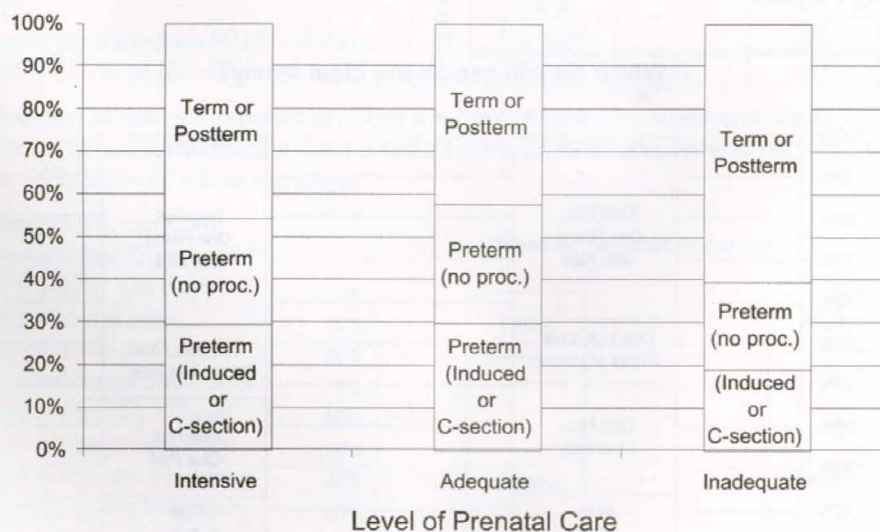
**30. Twins.**

- Of the 278,000 mothers who had twins in 1995-1997, 63,000 had inadequate health care during their pregnancies.  $63,000/278,000 = 22.7\%$

Twin Births 1995-97 (in thousands)				
Level of Prenatal Care	Preterm (Induced or Caesarean)	Preterm (without procedures)	Term or Postterm	Total
Intensive	18	15	28	61
Adequate	46	43	65	154
Inadequate	12	13	38	63
<b>Total</b>	<b>76</b>	<b>71</b>	<b>131</b>	<b>278</b>

- There were 76,000 induced or Caesarean births and 71,000 preterm births without these procedures.  $(76,000 + 71,000)/278,000 = 52.9\%$
- Among the mothers who did not receive adequate medical care, there were 12,000 induced or Caesarean births and 13,000 preterm births without these procedures. 63,000 mothers of twins did not receive adequate medical care.  $(12,000 + 13,000)/63,000 = 39.7\%$
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Twin Birth Outcome 1995-1997



- e) 52.9% of all twin births were preterm, while only 39.7% of births in which inadequate medical care was received were preterm. This is evidence of an association between level of prenatal care and twin birth outcome. If these variables were independent, we would expect the percentages to be roughly the same. Generally, those mothers who received adequate medical care were more likely to have preterm births than mothers who received intensive medical care, who were in turn more likely to have preterm births than mothers who received inadequate health care. This does *not* imply that mothers should receive inadequate health care do decrease their chances of having a preterm birth, since it is likely that women that have some complication *during* their pregnancy (that might lead to a preterm birth), would seek intensive or adequate prenatal care.